

## **Multi-Variate Data Presentation and Analysis**

### **ABSTRACT OF THE DISCLOSURE**

5

A recursively partitioned/nested geometric structure is employed to graphically present and/or facilitate analysis of multi-variate data, including functions of multi-dimensional variables. Visual attributes are associated with appropriate ones of the regions within the geometric structure, in accordance with determined graphing values. In one embodiment, the data are normalized, comprising relative coordinate values, and encoded into polynary strings. Processing is advantageously performed using the polynary strings.

10